

IN THE CLAIMS

Please cancel claims 1-11.

Please add new claims, as provided in the claim listing below.

Claims 1-11 (Cancelled)

12. (New) A fluid composition comprising:

an ion exchanged perfluorinated copolymer with functional groups $-\text{SO}_3\text{M}$,
wherein M comprises at least one of hydrogen ions and alkali metal ions, wherein an equivalent
mass is greater than 1500; and

a solvent mixture comprising a polar organic solvent and a non-polar solvent;

wherein the ion exchanged perfluorinated copolymer has a degree of crystallinity
of about 2% to about 10% and a ratio between the density of the ion exchanged copolymer and
the density of the original perfluorinated copolymer in non-ionic form is 0.90 – 0.97 and wherein
the ratio of ion exchanged perfluorinated copolymer to one of the organic polar solvent and the
solvent mixture of polar organic solvent with non-polar solvent is 1-35 : 65-99.

13. (New) The composition according to claim 12, wherein the ion exchanged
perfluorinated copolymer comprises a hydrolyzed copolymer of tetrafluoroethylene with vinyl
ether comprising perfluorosulfate groups with an equivalent mass of 1500-2600.

14. (New) A composition according to claim 12, wherein the ion exchanged
perfluorinated copolymer comprises a hydrolyzed copolymer of tetrafluoroethylene with vinyl
ether comprising perfluorosulfate groups and a third comonomer comprising one of perfluoro-2-
methylene-4-methyl-1,3,-dioxalane and perfluoroalkyl vinyl ether ($\text{C}_1\text{-C}_3$ in alkyl), and wherein
the equivalent mass is 1500-2600.

15. (New) The composition according to claim 12, wherein the polar organic solvent comprises at least one of methanol, ethanol, isopropanol, n-propanol, isobutanol, acetone, methylethylketone, cyclohexanone, dimethylformamide, dibutylformamide, dimethylacetamide and dimethylsulphoxide.

16. (New) The composition according to claim 12, wherein the non-polar organic solvent comprises at least one of 1,1,2-trifluoro-1,2-dichloroethane, 1,1-difluoro-1,2-dichloroethane, 1,1,2-trifluorotrichloroethane, 1,1,1-trichlorobromoethane, 1,1-difluoro-1,2,2-trichloroethane, pentane, hexane, heptane, benzene, and toluene.

17. (New) The fluid composition of claim 12, wherein a mass ratio between the polar organic solvent and the non-polar organic solvent is (1-10):1.

18. (New) A liquid composition comprising:

(a) an ion exchanged perfluorinated copolymer with MSO_3 functional groups, wherein M comprises at least one of hydrogen and an alkali metal with an equivalent mass greater than 1500; and

(b) a composition which is one of a polar organic solvent and a mixture of a polar solvent with a non-polar solvent, wherein the perfluorinated copolymer has a crystallinity of about 2% to about 10%, wherein a ratio of the density of the exchange copolymer to an original non-hydrated copolymer is between 0.90 and 0.97, and wherein a mass ratio of the liquid composition varies between 1-35% for the copolymer and 65-99% for the solvent.

19. (New) The liquid composition according to claim 18, further comprising a hydrolyzed copolymer of tetrafluoroethylene with vinyl ether which contains perfluorosulphate, wherein the equivalent mass is between 1500 and 2600.

20. (New) The liquid composition according to claim 18, wherein the ion exchanged perfluorinated copolymer comprises a hydrolyzed copolymer of tetrafluoroethylene with vinyl ether and a third modifying monomer comprising 2-perfluoro, 4-methylene, 4-methyl, 1-3 dioxolane, and wherein the vinyl alkyl perfluoroether comprises an alkyl radical with between 1 and 3 carbons and an equivalent mass between 1500 and 2600.

21. (New) The liquid composition according to claim 18 wherein the polar solvent comprises at least one of methanol, ethanol, iso-propanol, n-propanol, iso-butanol, n-butanol, acetone, methyl ethyl ketone, cyclohexanone, dimethyl formamide, and dimethyl sulphoxide.

22. (New) The liquid composition according to claim 18, wherein the non-polar solvent comprises at least one of 1-1-2-trifluoro, 1-2-dichloroethane, 1-1-difluoro, 1-2-dichloroethane, 1-1-2-trifluoro trichloroethane, 1-1-1-trichloro bromoethane, 1-1-difluoro, 1-1-2-trichloroethane, pentane, hexane, heptane, benzene, and toluene.